Hard Wired 30 Ampere GFCI - NEMA Type 4X

Applications

Power Generators
Submersible Pumps
Textile

Agricultural Equipment
Cement Cutting Equipment
Food Processing

Production Assembly Equipment
Spa and Hot Tubs
Vending Equipment

Automatic Reset GFCI

Manual Reset GFCI

Circuit Guard® Hard Wired 30A GFCI - UL Type 4X Rated

Description	Voltage	Alarm	Manual Set	Automatic Set
Hard wired, manual set and automatic set GFCIs.	120V AC	None	**GFHW13005**	**GFHW13105**
	120V AC	Audible	**GFHW13015**	**GFHW13115**
	240V AC	None	**GFHW23005**	**GFHW23105**
	240V AC	Audible	**GFHW23015**	**GFHW23115**
	120/240V AC	Audible	**GFHW33015**	**GFHW33115**
	3Ø 250V AC	None	**GFHW530**	**GFHW531**
	3Ø 120/208V AC	None	**GFHW430**	**GFHW431**

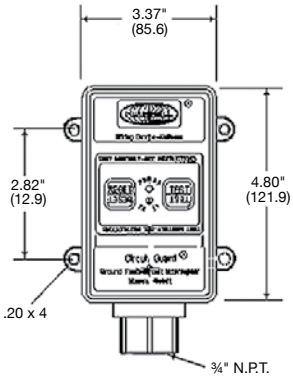
Note: All units above are stock items.

Specifications

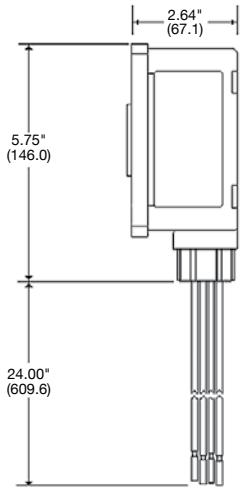
Electrical Ratings	
Rated Voltage	120V AC, 240V AC and 120/240V, 3Ø 250V AC, 3Ø 120/208V AC.
Operating Voltage Range	85% to 110%.
Current	Up to 30A or device rating.
Frequency	60 Hz.
Trip Level	4-6 mA.
Phase	Single.
Response Time	.025 sec. Max.
Dielectric Withstand	1500 VRMS across contact, 4000 VRMS between conductors and enclosure.
Surge Withstand	6000V impulse, 0.5 microseconds rise time 100kHz ringing frequency with 40% decay per cycle.
Let Go Line Voltage	60% of rated.
Grounded Neutral Detection	6 Ohms or less.
Power Up	Manual or automatic reset.
Environmental Ratings	
Housing Rating	UL Type 4X.
Construction	Industrial grade design.
Type	Class A GFCI.
Operating Temperature	-35°C to 66°C, -30°F to 150°F.
Leakage Current @ 93% Humidity	Zero.
Features	
Life (Endurance)	10,000 cycles (6000 with load and 4000 without load). Open neutral protection Trips upon loss of neutral.
Grounded Neutral Protection	Trips if ground and neutral touch at load side.
Power On Indicator	Green light on.
Power Off Indicator	Red blinking light plus optional audible alarm.
Wiring Application	3 Wire Single Phase (Hot, Neutral and Ground), 4 Wire Single Phase (Line 1,Line 2, Neutral and Ground).
Switch Interface	Double Insulated.
Latching Mechanism	Electromagnetic.
Physical Specifications	
Wire Leads	#10 AWG, 24" long.
Unit Color	Gray with black cover.
Label Color on Portable and Hard Wired Units	Automatic reset: yellow background with black lettering. Manual reset: black background with yellow lettering.
Weight	1.40 lbs.

Related Code

Confined Space	OSHA 29 CFR 1926.404 (b) (1) (ii)
	OSHA 29 CFR 1926.405 (a) (2) (ii) (G)
Construction Sites	NEC 590.6
Commercial Garages	NEC 511.12
Fountains	NEC 680.5B
Spas and Hot Tubs	NEC 680.40
Marinas	NEC 555.3



Dimensional Drawing



Side View

Dimensions in Inches (mm)